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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Mail Stop Amendment

Re: U.S. Utility Patent Application
Application No. 10/719,058; Filed: November 24, 2003
For: **Methods, Systems, and Computer Program Products for Parallel
Correlation and Applications Thereof**
Inventors: RAWLINS *et al.*
Our Ref: 1744.1380000

Sir:

Transmitted herewith for appropriate action are the following documents:

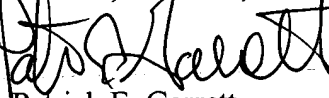
1. Fifth Supplemental Information Disclosure Statement;
2. Three (3) sheets of Form PTO-1449 listing thirty-two (32) documents;
3. One (1) copy each of documents AM25, AJ26-AK26, and AP61-AR61; and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Patrick E. Garrett
Attorney for Applicants
Registration No. 39,987

PEG/mlb

Enclosures

568596 1.DOC
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UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

RAWLINS *et al.*

Appl. No.: 10/719,058

Filed: November 24, 2003

For: **Methods, Systems, and Computer
Program Products for Parallel
Correlation and Applications
Thereof**

Confirmation No.: 9124

Art Unit: 2193

Examiner: Chaki, Kakali

Atty. Docket: 1744.1380000

Fifth Supplemental Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Fifth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Fourth Supplemental Information Disclosure Statement filed on May 24, 2006 in connection with the above-captioned application.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Applicants provide the following comments regarding the documents:

Documents AM25, AJ26, and AK26 were cited in an Office Action in related Japanese Patent Application No. 2002-048676, filed October 18, 1999, entitled "Integrated Frequency Translation and Selectivity with a Variety of Filter Embodiments," directed to related subject matter. Also cited in said Office Action was Japanese Patent Publication No. 60-130203, which has already been cited in the present application.

Documents AB75 and AC75 were cited in an Office Action in related U.S. Patent Application No. 10/086,367, filed March 4, 2002, entitled "Method and System for Frequency Up-Conversion," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 6,091,940, which has already been cited in the present application.

Documents AD75-AF75 and AE77-AI77 are co-owned patents which are directed to related subject matter.

Document AG75 was cited in an Office Action in related U.S. Patent Application No. 10/197,253, filed July 18, 2002, entitled "Networking Methods and Systems," directed to related subject matter.

Document AH75 was cited in an Office Action in related U.S. Patent Application No. 09/550,644, filed April 14, 2000, entitled "Method and System for Down-Converting an Electromagnetic Signal, Transforms for Same, and Aperture Relationships," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 6,404,758, which has already been cited in the present application.

Documents AI75 and AA76-AC76 were cited in an Office Action in related U.S. Patent Application No. 11/107,861, filed April 18, 2005, entitled "Method and Apparatus for a Parallel Correlator and Applications Thereof," directed to related subject matter.

Documents AD76-AH76 were cited in an Office Action in related U.S. Patent Application No. 11/230,732, filed September 21, 2005, entitled "Applications of Universal Frequency Translation," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 6,208,636 and 7,016,663, which have already been cited in the present application.

Documents AI76 and AA77-AD77 were cited in a Notice of Allowance in related U.S. Patent Application No. 10/961,253, filed October 12, 2004, entitled "Apparatus, System, and Method for Down Converting and Up Converting Electromagnetic Signals," directed to related subject matter. Also cited in said Notice of Allowance was U.S. Patent No. 6,404,823, which has already been cited in the present application.

This statement should not be construed as a representation that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below:

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.

- ☒ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- ☐ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of _____ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the

search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

- ☒ 6. A concise explanation of the relevance of the non-English language documents appears below in accordance with 37 C.F.R. § 1.98(a)(3):

Document AM25 (JP 61-232706) appears to describe a frequency converter for signals. An English language abstract of document AM25 is enclosed as document AP61.

Document AJ26 (JP 9-171399) appears to describe a sound synthesizing method and circuit. An English language abstract of document AJ26 is enclosed as document AQ61.

Document AK26 (JP 10-41860) appears to describe an echo canceller. An English language abstract of document AK26 is enclosed as document AR61.

- ☒ 7. Copies of documents AM25, AJ26, AK26, and AP61-AR61 are enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of the U.S. patents and patent publications cited on the attached Form PTO-1449 are not enclosed.

- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

- ☒ 9. It is expected that the examiner will review the prosecution and cited art in the parent application no. 09/987,193, filed November 13, 2001 (now U.S. Patent No.


7,010,559), in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett
Attorney for Applicants
Registration No. 39,987

Date: 8-17-06

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FORM PTO-1449

FIFTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1744.1380000APPLICATION NO.
10/719,058FIRST NAMED INVENTOR
Gregory S. RAWLINSFILING DATE
November 24, 2003ART UNIT
2193

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB75	3,641,442	02/1972	Boucher			
	AC75	5,140,699	08/1992	Kozak			
	AD75	7,050,058 B2	05/2006	Sorrells <i>et al.</i>			
	AE75	7,054,296 B1	05/2006	Sorrells <i>et al.</i>			
	AF75	7,065,162 B1	06/2006	Sorrells <i>et al.</i>			
	AG75	2003/0149579 A1	08/2003	Begemann <i>et al.</i>			
	AH75	5,063,387	11/1991	Mower			
	AI75	5,535,402	07/1996	Leibowitz <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM25	JP 61-232706	10/1986	JP			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
	AO	
	AP61	English-language Abstract of Japanese Patent Publication No. JP 61-232706, data supplied by the espacenet, 1 page (October 17, 1986 - Date of publication of application).
	AQ61	English-language Abstract of Japanese Patent Publication No. JP 9-171399, data supplied by the espacenet, 1 page (June 30, 1997 - Date of publication of application).
	AR61	English-language Abstract of Japanese Patent Publication No. JP 10-41860, data supplied by the espacenet, 1 page (February 13, 1998 - Date of publication of application).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 1744.1380000		APPLICATION NO. 10/719,058	
				FIRST NAMED INVENTOR Gregory S. RAWLINS			
				FILING DATE November 24, 2003		ART UNIT 2193	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA76	6,512,785 B1	01/2003	Zhou <i>et al.</i>			
	AB76	6,567,483 B1	05/2003	Dent <i>et al.</i>			
	AC76	6,775,684 B1	08/2004	Toyoyama <i>et al.</i>			
	AD76	4,740,792	04/1988	Sagey <i>et al.</i>			
	AE76	5,239,687	08/1993	Chen			
	AF76	5,552,789	09/1996	Schuermann			
	AG76	5,905,433	05/1999	Wortham			
	AH76	6,647,270 B1	11/2003	Himmelstein			
	AI76	6,034,566	03/2000	Ohe			
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ26	JP 9-171399	06/1997	JP			No
	AK26	JP 10-41860	02/1998	JP			No
	AL						Yes No
	AM						Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER INITIAL	DOC. REF.	CITATION					
	AN						
	AO						
	AP						
	AQ						
	AR						
EXAMINER					DATE CONSIDERED		
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FORM PTO-1449

ATTY. DOCKET NO.
1744.1380000APPLICATION NO.
10/719,058FIFTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTFIRST NAMED INVENTOR
Gregory S. RAWLINSFILING DATE
November 24, 2003ART UNIT
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA77	6,313,700 B1	11/2001	Nishijima <i>et al.</i>			
	AB77	6,959,178 B2	10/2005	Macedo <i>et al.</i>			
	AC77	6,999,747 B2	02/2006	Su			
	AD77	2004/0125879 A1	07/2004	Jaussi <i>et al.</i>			
	AE77	7,072,390 B1	07/2006	Sorrells <i>et al.</i>			
	AF77	7,072,427 B2	07/2006	Rawlins <i>et al.</i>			
	AG77	7,076,011 B2	07/2006	Cook <i>et al.</i>			
	AH77	7,082,171 B1	07/2006	Johnson <i>et al.</i>			
	AI77	7,085,335 B2	08/2006	Rawlins <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
	AO	
	AP	
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	AR	

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